IN THE CLAIMS:

1. (Currently Amended) A capsule endoscope comprising:

temperature detection means which is arranged in at least one of internal electric circuits and which detects an internal temperature of the corresponding internal electric circuit, converts information indicating the detected temperature into an electric signal in a predetermined format, and generates the electric signal, the internal electric circuits ~~constituting~~ comprising one or more of an image pickup unit, a signal processing unit, a communication unit, and a lighting unit, respectively;

temperature determination means for performing a predetermined determination on the basis of the electric signal generated from the temperature detection means; and

power control means for controlling power supply to the corresponding internal electric circuit on the basis of the determination result obtained by the temperature determination means.

2. (Original) The capsule endoscope according to Claim 1, wherein when the temperature determination means determines that the internal temperature is higher than a predetermined value, the power control means controls so that the power supply to the corresponding internal electric circuit is interrupted.

3. (Withdrawn) The capsule endoscope according to Claim 1, wherein each internal electric circuit comprises a semiconductor device, and the temperature detection means is integrated with the semiconductor device.

4. (Original) The capsule endoscope according to Claim 1, wherein the temperature detection means comprises a member which is independent of the internal electric circuits and is arranged in a power supply line constituting a part of the internal electric circuits.

5. (Original) The capsule endoscope according to Claim 4, wherein the temperature detection means includes a thermal fuse.

6. (Original) The capsule endoscope according to Claim 4, wherein the temperature detection means includes a thermistor.